TRANSMITTAL

GZA GeoEnvironmental, Inc.
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Date: 10/21/19   Job No. 03.0033554.04
Attention: Mr. Joseph Martella

To: Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
 Providence, Rhode Island 02908

Re: Liquefaction Facility Project
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road/ 642 Allens Avenue
 Providence, Rhode Island
 Site Remediation File No. SR-28-1152

We are sending you:

☐ Shop Drawings   X Attached   ☐ Change Order   ☐ Samples
☐ Copy of Letter   ☐ Prints   ☐ Plans   ☐ Specifications
☐ Under Separate Cover, the following Items:

How Shipped:

X Via Email   ☐ Courier   ☐ Regular Mail   ☐ Hand Delivered/Picked Up

Description
Air Quality Monitoring (AQM) Results –
Week of 10/14/19 (10/15/19, 10/16/19, 10/17/19, and 10/18/19)
  AQM Station 1 Graph
  AQM Station 2 Graph
  AQM Station 3 Graph
  Roving Air Monitoring Unit Graph
  Summary Figure

THESE ARE TRANSMITTED as Checked Below:

For Approval
X For Your Use
☐ As Requested
☐ For Review and Comment
☐ FOR BIDS DUE:

Approved as Submitted
Approved as Noted
Return for Corrections
Prints Returned After Loan to Us

Comments:

Copy To: Amy Willoughby - National Grid LNG LLC
 Signed: Sophia Narkiewicz, P.E.
 William Howard - National Grid LNG LLC

If enclosures are not as noted, kindly notify us at once.
Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

Date          Time         Constituent          Observed Range of Sustained Readings          Response Actions Performed
---           ----           ---------------                      ------------------                       ------------------
None          None          None                          None                          None

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Data Statistic</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concen.</td>
<td>0.02 ppmv</td>
</tr>
<tr>
<td>TVOCs maximum concen.</td>
<td>0.18 ppmv</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppmv</td>
</tr>
<tr>
<td>PM10 average concen.</td>
<td>6.73 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concen.</td>
<td>100.00 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

AQM Station 1

1-minute average concentrations

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis

TVOC Action Level = 1.0 ppmv
PM10 Action Level = 150 µg/m³

No work conducted.
AQM Station 2

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis.

TVOC Action Level = 1.0 ppmv
PM10 Action Level = 150 µg/m³

No work conducted.

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.
AQM Station 3

1-minute average concentrations

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis.

TVOC Action Level = 1.0 ppmv
PM10 Action Level = 150 µg/m³

No work conducted.

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.
### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Volatile Organic Compounds (TVOCs)</td>
<td>0.24 ppmv</td>
<td>None</td>
</tr>
<tr>
<td>Respirable Dust (PM10)</td>
<td>0.40 ppmv</td>
<td>None</td>
</tr>
<tr>
<td>TVOC Action Level</td>
<td>1.0 ppmv</td>
<td>None</td>
</tr>
<tr>
<td>PM10 Action Level</td>
<td>150 µg/m³</td>
<td>None</td>
</tr>
</tbody>
</table>

### Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.
REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM A GOOGLE PROFESSIONAL ELECTRONIC IMAGE FILE. DIGITAL AERIAL ORTHOPHOTOGRAPHY WAS PUBLISHED IN FEBRUARY 2018.

2. SITE BOUNDARIES ARE APPROXIMATE.

3. PERIMETER AIR MONITORING PROGRAM CONDUCTED AS DESCRIBED IN THE MAY 12, 2017 SHORT TERM RESPONSE ACTION PLAN (STRAP) AND OCTOBER 11, 2017 STRAP ADDENDUM, WHICH WERE APPROVED BY RIDEM WITH THE OCTOBER 27, 2017 STRAP APPROVAL.

NATIONAL GRID LIQUEFACTION FACILITY PERIMETER AIR MONITORING PROGRAM PROVIDENCE, RHODE ISLAND

Summary Figure
Week of 10-14-19